

Title (en)

Breakdown diagnosing method of production line.

Title (de)

Störungsdiagnoseverfahren einer Fertigungsstrasse.

Title (fr)

Méthode de diagnostic de pannes d'une ligne de production.

Publication

EP 0389990 A2 19901003 (EN)

Application

EP 90105591 A 19900323

Priority

- JP 3037990 A 19900209
- JP 7224889 A 19890325
- JP 32106389 A 19891211

Abstract (en)

A breakdown diagnosing method according to the present invention can prevent an erroneous diagnosis of abnormalities in an operating system of equipment which do not cause malfunction of the equipment. However, the fact of the abnormal state of the equipment not accompanied with malfunction can be detected. In the event the equipment is actually in the abnormal state, an abnormal block and furthermore, an abnormal step in the abnormal block of operations executed by the equipment can be promptly and correctly specified. Moreover, the concrete position of the abnormality can also be detected. The breakdown diagnosing method applied to an automatic program forming device can achieve reduction in the number of processes in forming a sequential control program.

IPC 1-7

G05B 19/05

IPC 8 full level

G05B 19/05 (2006.01); **H01S 5/0683** (2006.01)

CPC (source: EP US)

G05B 19/058 (2013.01 - EP US); **H01S 5/06835** (2013.01 - EP US); **G05B 2219/13068** (2013.01 - EP US); **G05B 2219/14068** (2013.01 - EP US); **G05B 2219/14074** (2013.01 - EP US)

Cited by

KR100789330B1; SG80538A1; EP1901149A3; US5291416A; EP1089150A3; US9360861B2; US6859898B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0389990 A2 19901003; **EP 0389990 A3 19920408**; **EP 0389990 B1 19950301**; DE 69017244 D1 19950406; DE 69017244 T2 19950810; US 5148363 A 19920915

DOCDB simple family (application)

EP 90105591 A 19900323; DE 69017244 T 19900323; US 49874490 A 19900326